



(10) Patent No.: US 6,504,586 B1
(45) Date of Patent: *Jan. 7, 2003

- | | | | |
|---------------|---------|--------------------|---------|
| 5,387,922 A | 2/1995 | Yun | 345/103 |
| 5,442,470 A * | 8/1995 | Hashimoto | 359/83 |
| 5,477,422 A | 12/1995 | Hooker et al. | 362/29 |
| 5,477,779 A | 12/1995 | Kawabe | 101/116 |
| 5,510,915 A | 4/1996 | Ge et al. | 359/59 |

5,620,129	A	4/1997	Rogren	228/56.3
5,665,607	A	9/1997	Kawama et al.	438/64
5,684,555	A	11/1997	Shiba et al.	349/149
5,729,316	A	3/1998	Yamamura et al.	349/150
5,777,611	A	7/1998	Song	345/212
5,838,412	A	* 11/1998	Ueda et al.	349/150
6,046,785	A	* 4/2000	Won	349/58
6,091,474	A	* 7/2000	Middleton et al.	349/149
6,175,396	B1	* 1/2001	Kim et al.	349/58

(57) **ABSTRACT**

A liquid crystal display (LCD) module and a holding assembly applied to the LCD module is disclosed. In the present invention, a holder is electrically connected to an earth terminal of a printed circuit board (PCB) and a top chassis so that an electromagnetic wave exhaust passage can be formed. Thereby, the electromagnetic wave emitted from the PCB is exhausted through the top chassis. In addition, when the sheets are settled in a mold frame, the holder is inserted into a holding opening of the mold frame so that the sheets can be stably held and the sheets can be prevented from moving in advance. In this case, the holder can serve the typical electromagnetic wave exhausting function and sheet fixing function. Accordingly, there is no need to use a fixing tape for fixing the sheets. Therefore, wrinkling phenomena occurring on the surfaces of the sheets can be prevented in advance.

8 Claims, 3 Drawing Sheets

